



## CERTIFICATE OF ANALYSIS

### ***Tetracycline Negative Fetal Bovine Serum***

**(Catalog Number 100-800)**

Lot Number: A424040

**Date of Manufacture:** Oct2022

**Product Expiry:** Oct2027

**Origin:** United States

**Storage Temperature:** ≤ -10°C

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

**Product Description:** *Tetracycline Negative Fetal Bovine Serum is sterile-filtered through a 0.1 µm filter prior to freezing.*

Test	Methodology	Specification	Analysis
<b>Biological Testing</b>			
Endotoxin	USP <85> & EP 2.6.14	<10.0 EU/mL	0.1547 EU/mL
Hemoglobin	USP <90>	<20.0 mg/dL	9.64 mg/dL
<b>Microbiological Testing</b>			
Sterility	USP <71> & EP 2.6.1		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Barile and Kern & Hoechst Fluorochrome Stain	Not Detected	Not Detected
<b>Viral Testing</b>	9CFR113.53c[113.46,113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Extraneous Viruses (FAB)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral Diarrhea (Cytopathic)		Not Detected	Not Detected
Bovine Respiratory Syncytial Virus		Not Detected	Not Detected
Rabies Virus		Not Detected	Not Detected
Reovirus		Not Detected	Not Detected
<b>Physical Testing</b>			
Electrophoretic Pattern	Cellulose Acetate Electrophoresis	Normal	Normal
Osmolality	USP <785> & EP 2.2.35	260 – 350 mOsm/Kg	314 mOsm/Kg
pH@RT	USP <791> & EP 2.2.3	6.5 – 8.5	7.17
<b>Biochemistry</b>			
Albumin		Test and Report	2.0 g/dL
Alkaline Phosphatase		Test and Report	179 IU/L
ALT (SGPT)		Test and Report	7 IU/L
AST (SGOT)		Test and Report	43 IU/L



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### *Tetracycline Negative Fetal Bovine Serum*

*(Catalog Number 100-800)*

Lot Number: A424040

Test	Methodology	Specification	Analysis
GGT	Chemistry Analyzer	<10 U/L	5 IU/L
Bilirubin, Total		Test and Report	0.3 mg/dL
BUN		Test and Report	14 mg/dL
Calcium		Test and Report	13.5 mg/dL
Chloride		Test and Report	102 mmol/L
Cholesterol		Test and Report	28 mg/dL
Cortisol		Test and Report	<0.20 µg/dL
Creatinine		Test and Report	2.7 mg/dL
Glucose		Test and Report	125 mg/dL
IgG		<0.300 mg/mL*	0.07193 µg/mL
Insulin		Test and Report	7.58 µIU/mL
Iron, Serum		Test and Report	186 µg/dL
Phosphorus		Test and Report	10.0 mg/dL
Potassium		Test and Report	12.7 mmol/L
Progesterone	USP <1057> & EP 2.5.33	Test and Report	<0.1 ng/mL
Protein, Total		2.5 – 6.0 g/dL	3.5 g/dL
Sodium		Test and Report	143 mmol/L
Testosterone		Test and Report	<0.01 ng/mL
T3		Test and Report	151.0 ng/dL
T4		Test and Report	23.0 µg/dL
Triglycerides		Test and Report	64 mg/dL
Tetracycline		<1 ng/mL	<1.0 ng/mL
Uric Acid		Test and Report	2.7 mg/dL

Our fetal bovine serum meets all USDA requirements and has passed ante and post-mortem inspection. It is collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal bovine serum is traceable by lot number, date, and country of collection. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance. \*Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to ensure FBS purity.

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Korrina Nicewonger  
Name

QA Associate II  
Title

10 JUL 2024  
Date